Scout Report sent out	☑
Noted in the NID File	☑
Location map pinned	☐
Approval or Disapproval Letter	☑
Date Completed, P. & A. or operations suspended	
Pin changed on location map	☐
Affidavit and Record of A & P	☐
Water Shut-Off Test	☐
Gas-Oil Ratio Test	☐
Well Log Filed	☑

FILE NOTATIONS

Entered in N I D File ✓
Entered On S R Sheet ✓
Location Map Pinned ✓
Card Indexed ✓
I W R for State or Fee Land

Checked by Chief ✓
Copy N I D to Field Office ✓
Approval Letter ✓
Disapproval Letter

COMPLETION DATA:
Date Well Completed 11-22-58
OW WW TA
GW OS PA X

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log ✓
Electric Logs (No.) 3
E I E-I ✓ GR GR-N ✓ Micro ✓
Lat Mi-L Sonic Others

Form 9-331 a
(Feb. 1951)

	X 19		

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City, Utah

Lease No. UO 14152

Unit [redacted]

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

, 19

Well No. Gravers Mesa [redacted] 1 is located 1980 ft. from [redacted] {N/S} line and 2793 ft. from XX {E/W} line of sec. 19

SE,NW 19 (¼ Sec. and Sec. No.) 21S (Twp.) 14E (Range) SLBM (Meridian)

Wildcat (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the ~~derrick floor above sea level~~ is 4750 ft. (approx. ground)

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

1. Drill 13 3/4" hole to 1000'±.

2. Cement 10 3/4" surface casing at 1000'± with 600 sacks cement.

3. Drill 9" hole to 8000'±. (Major objective-Pennsylvanian & Mississippian carbonates-minor objective Triassic and Permian Sandstones)

4. If commercial production is obtained a supplementary completion will be issued, otherwise plug and abandon in accordance with U.S.G.S. regulations. Surface formation-Entrada.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

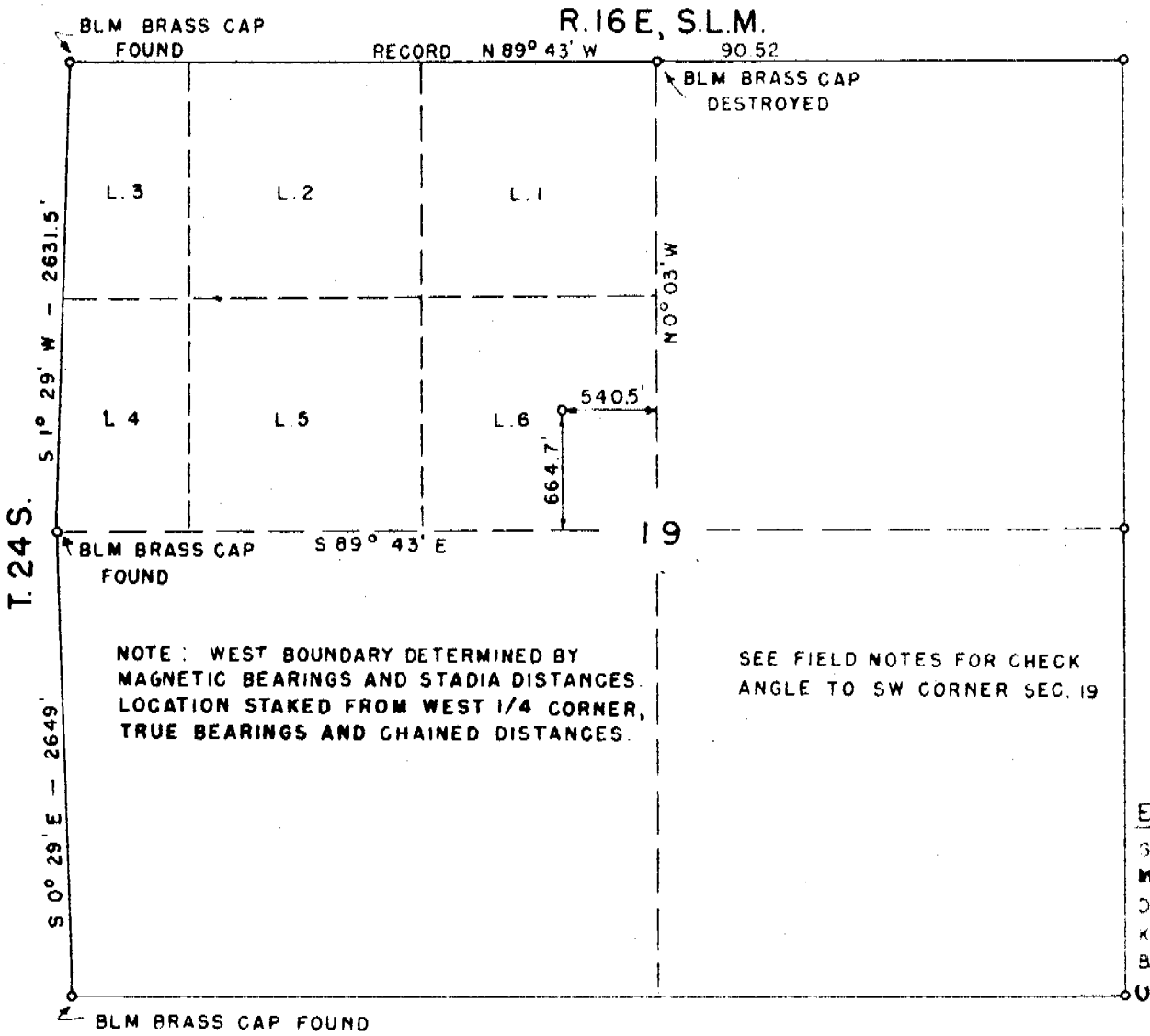
Company Shell Oil Company

Address 705 West Municipal Drive
Farmington, New Mexico

Original signed by

By R. M. Shepard

Title Exploitation Engineer



NOTE : WEST BOUNDARY DETERMINED BY MAGNETIC BEARINGS AND STADIA DISTANCES. LOCATION STAKED FROM WEST 1/4 CORNER, TRUE BEARINGS AND CHAINED DISTANCES.

SEE FIELD NOTES FOR CHECK ANGLE TO SW CORNER SEC. 19

ELEVATION DATA

GROUND
MATT
DF
KB
BM
4758

REFERENCE POINT DATUM-

STAKES SET AT [illegible] N.S.E., & W. OF LOC.

1" x 2" stake and 3' flag set at 200' North, West and East of Location for RP's.

1" x 4' angle iron stake and 10' flag set at Location, being 119.5 feet east of the center of Lot No. 6, or 1980' south and 2793' east, of the NW Cor. of Sec. 19, T. 24 S., R. 16 E., SLM., also being 2861' east of the west one-quarter corner of said Sec. 19.

1" x 2" hub and 3' flag set at 300' South of Location for RP, and 1" x 2" hub and 3' flag set at 200' North of Loc. for BM.

This is to certify that the above plat was prepared from field notes of actual surveys made under my supervision, and that the same are true and correct to the best of my knowledge and belief.

John A. Kroeger

John A. Kroeger, Reg. L.S.
Utah Reg. No. 1648

REGISTERED LAND SURVEYOR
No. 1648
John A. Kroeger
STATE OF UTAH

Drawn By H. Williams	SHELL OIL COMPANY	Scale
Checked By JAK		
Date 7/16/58		

LOCATION OF GRUVERS MESA [redacted] No. 1

EMERY COUNTY, UTAH, SEC. 19, T. 24 S., R. 16 E., SLB & M

August 15, 1958

Shell Oil Company
705 West Municipal Drive
Farmington, New Mexico

Attention: B. W. Shepard, Exploitation Engineer

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Gruvera Mesa - Federal 1, which is to be located 1980 feet from the north line and 2793 feet from the west line of Section 19, Township 24 South, Range 16 East, SLBM, Emery County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
SECRETARY

CBF:co

cc Phil McGrath
USGS, Farmington,
New Mexico

Dan Russell

Budget Bureau No. 42-R356.4.
Approval expires 12-31-55.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER U 11152
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County Emery Field Wildcat-Cruvers Mesa

The following is a correct report of operations and production (including drilling and producing wells) for the month of September, 19 58,

Agent's address Shell Oil Company
705 West Municipal Drive
Farmington, New Mexico

Company Shell Oil Company

Signed Original signed by R. W. SHEPARD

Phone Davis 5-8511

Agent's title Exploitation Engineer

SEC. AND ¼ OF ¼	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
19 SE NW	24S	16E	1							Spudded 9-3-58 Drilling at 4077' as of 9-30-58

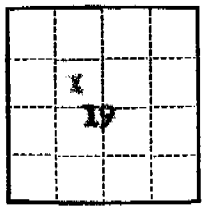
NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
(January 1950)

16—25766-7 U. S. GOVERNMENT PRINTING OFFICE

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City, Utah
Lease No. 33 1-162
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 22, 1958

Well No. Cruvers Mesa 1 is located 1980 ft. from {N/S} line and 2045 ft. from {E/W} line of sec. 12

SE NW 19 (¼ Sec. and Sec. No.) 24S (Twp.) 16E (Range) SLBM (Meridian)

Wildcat (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 4774 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded 4:00 P. M. 9-3-58

9-2-58 to 9-7-58 Cemented 13-3/8" conductor pipe at 30' with 45 sacks cement.

9-10-58 to 9-11-58 Ran and cemented 10-3/4", 40.5#, J-55 casing at 589' with 370 sacks cement (last 200 sacks treated with 2% calcium chloride). Good returns to surface. Flanged up and waited on cement. Located top of cement at 570' cleaned out cement to 589'. Pressure tested casing and BOP with 1000 psi, OK.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive

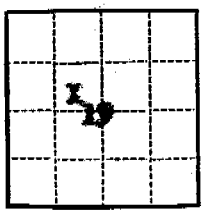
Farmington, New Mexico

By Original signed by S. W. SHEPARD

Title S. W. Shepard Exploitation Engineer

GPO 9 18 507

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City, Utah
Lease No. SL 1152
Unit —

71-K
10-1

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

September 22, 1958

Well No. Gruvera Mesa 1 is located 1980 ft. from {N/S} line and 2615 ft. from {E/W} line of sec. 19

SE NW 19 (¼ Sec. and Sec. No.) 21S (Twp.) 16E (Range) SL (Meridian)

Wildcat (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4774 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

9-18-58

DST #1 2302-2400 Initial shut in 30 min. open 1-1/2 hrs. shut in 1 hr. Fair blow 10 minutes, poor 10 min. faint 50 min., dead 5 min., very faint 15 min. Recovered 195' slightly oil and gas cut mud. (oil less than 1%). (Gas to surface 15 minutes, rate nil.) ISIP 810, (30 min.) FSIP 815 (60 min)-nearly Stabelized. IFP 110, FFP 160, HP 1250.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 305 West Municipal Drive

Farmington, New Mexico

Original signed by
B. W. SHEPARD

By B. W. Shepard

Title Exploitation Engineer

GPO 9 18 507

PD 4A 3-59 PRINTED IN U. S. A.

SHELL OIL COMPANY

Gruvers Mesa
WELL NO. 1

DRILLING REPORT
FOR PERIOD ENDING 9-12-58

Wildcat (FIELD)
Emery (COUNTY)
Section 19 (SECTION OR LEASE)
T24S, R16E (TOWNSHIP OR RANCHO)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
			Location: 1980' South, 2793' East of NW Corner, Section 19, T24S, R16E. GR 4763.5', DF 4772.6', KB 4773.8'.
			Drilling Contractor: Great Western Drilling Company
			Gas Analyzer: Wel-Log Engineering Company
9-7-58	0	31	Spudded 7:00 PM 9-7-58. Set 31' of 16" Conductor Pipe and cemented with 30 sacks of regular cement.
9-8 to 9-9	31	471	Drilled 471'. Drilling 13-3/4" surface hole.
9-10 to 9-11	471	755	Drilled 284'. Started Drilling 9" hole @ 471' due to hole deviation trouble. Deviation 2° @ 471'. Reamed 13-3/4" hole to 594'. Ran 589' of 10-3/4", 40.5#ft., J-55 surface casing. Cemented with 370 sacks regular cement. Last 200 sacks treated with 2% $CaCl_2$. Good returns to surface. Plug down 12:30 AM 9-11-58. Flanged up and installed B.O.P.
9-12	755	1084	Drilled 329'. Pressured casing to 1000 psi for 15 minutes, OK. Drilled out plug, shoe, and cement.

U. S. GEOLOGICAL SURVEY RECEIVED JAN 14 1959 OIL & GAS BR. SALT LAKE CITY, UTAH

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
13-3/4"	0	594'	10-3/4	594'
9"	594	1084		

DRILL PIPE SIZES

C. Bremer

Budget Bureau No. 42-R356.5.
Approval expires 12-31-60.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LAND OFFICE Salt Lake City, Utah
LEASE NUMBER U0 14152
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

N-H
12-1-58

State Utah County Emery Field Wildcat - Gruvers Mesa

The following is a correct report of operations and production (including drilling and producing wells) for the month of October, 1958,

Agent's address Shell Oil Company
705 West Municipal Drive
Farmington, New Mexico
Phone DAvis 5-8811

Company Shell Oil Company
Signed Original signed by
R. W. SHEPARD
Agent's title Exploitation Engineer

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
19 SE NW	24S	16E	1							Drilling 7430'.

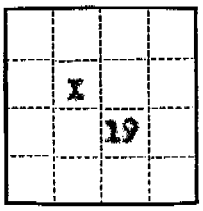
NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

Form 9-329
(January 1950)

16—25766-8 U. S. GOVERNMENT PRINTING OFFICE

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City, Utah
Lease No. U-1152
Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
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NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

November 24, 19 62

Drivers Mesa
Well No. 1 is located 1980 ft. from {N/S} line and 2015 ft. from {E/W} line of sec. 19

SE NE 19 (¼ Sec. and Sec. No.) | 24S (Twp.) | 16E (Range) | SLBM (Meridian)

Wildcat (Field) | Emery (County or Subdivision) | Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4774 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Status: Total Depth 8677'
Casing 10-3/4" at 589'
Hole Size: 7-7/8" 589' to 8677'
Reason for Abandonment: "Dry Hole"
Proposed Work:
1. With drill pipe hung at the following depths:
   (a) Plug with 25 sacks cement 7850-7950'.
   (b) Plug with 25 sacks cement 5250-5350' (Paradox Salt).
   (c) Plug with 25 sacks cement 2325-2400'.
   (d) Plug with 25 sacks cement 570-590'.
2. Place 10 sacks cement plug at surface with marker and abandon.

Note: Verbal approval was given to L. Kazarian by O. Russell

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

By J. E. Shepard

Title Exploitation Engineer

GPO 9 18 507

DITCH SAMPLES

Examined by Bremer 700 to 1548
Oestrich ___ to ___
Woodward

Well Gruver's Mesa #1
Field or Area Wildcat
Not

FROM	TO	%	SHOWS UNDERLINED SAMPLES/ LAGGED
700	830		Sandstone, white, very fine to fine, slightly calcareous, friable
830	870		Sandstone, white-tan, very fine to fine, friable
870	920		Sandstone, tan, very fine to fine, friable
			Tentative Sample Top - Kayenta 920'
920	1090		Sandstone, tan-red brown, very fine to fine, slightly calcareous, friable, with maroon-purple siltstone partings.
1090	1150		Sandstone, white - light red, very fine to fine, slightly calcareous, friable with maroon Siltstone partings.
1150	1240		Sandstone, tan - red brown, very fine to fine, friable, with maroon-green Siltstone partings.
1240	1250		Sandstone, white - light red, very fine to fine, friable, with maroon-green Siltstone partings.
1250	1265		Sandstone, white - light red, very fine, friable with thin maroon-green siltstone beds (3')
			Tentative Sample Top - Wingate 1265'
1265	1548		Sandstone, red, very fine, slightly dolomitic, friable
			Tentative Sample Top - Chinle 1548'

DITCH SAMPLES

Examined by Woodward 1548 to 2050
Oestrich ___ to ___

Well Grunsar's Mesa Unit #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES NOT LAGGED
1548	1550		Shale, maroon	
1550	1580		Siltstone, maroon, slightly dolomitic, with maroon shale partings.	
1580	1660		Siltstone, maroon, sandy, slightly dolomitic with thin interbeds of maroon, silty Sandstone (very fine), partings of maroon Shale.	
1660	1700		Sandstone, maroon, very fine, silty, slightly dolomitic, with thin interbeds of maroon sandy Siltstone, maroon Shale partings.	
1700	1760		Siltstone, maroon with minor green, sandy, calcareous, thin interbeds of maroon silty Sandstone (very fine), maroon-green Shale partings, stringers of gray-green Limestone, IVFA, fragmental.	
1760	1800		Shale, maroon-green, mottled calcareous, few Siltstone partings.	
1800	1820		Shale, maroon-purple with minor green, maroon Siltstone stringers.	
1820	1870		Siltstone, maroon with minor green, sandy, calcareous, maroon with minor green Shale partings. Tentative Sample Top - Shinarump 1868'?	
1870	1925		Siltstone, maroon, sandy, calcareous, with rounded quartz granules interbeds of Sandstone, white, very fine to fine, well sorted, calcareous and interbeds of silty Sandstone, maroon; maroon Shale partings. Tentative Sample Top - Moenkopi 1925'?	
1925	2050		Siltstone, Red brown with minor green and lavender.	

DITCH SAMPLES

Examined by Woodward 2050 to 2400
_____ to ____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/ LAGGED Not
2050	2200		Siltstone, Red brown with minor green and lavender, dolomite, few red brown shale partings, some mottled.	
2200	2240		Siltstone, Red brown with minor green, calcareous, red brown shale partings.	
2240	2260		Siltstone, Red brown-green-white, calcareous, red brown shale partings.	
2260	2320		Siltstone, Hard gray - green, Dolomite, occasional hard green-white shale partings.	
2320	2330		Siltstone, Hard green-white, dolomite, hard green shale partings.	
2330	2340		Limestone 60% IXFA/IIIXF-F B_4, dolomite lime, psuedo oolitic, gray 30% IXFA/III VF-MB_2, dolomite lime, psuedo oolitic, white 10% IXFA, Dolomite lime, white 90% samples bleeding oil Dark Brown low gravity oil, no bleeding oil to poor sample fluorescence, brown sample cut, bright yellow cut fluorescence.	
2340	2390		Siltstone, Hard green, Dolomite, hard green shale partings.	
2390	2400		Siltstone, Hard green, Dolomite, hard green shale partings. Oil-Tar stained limy siltstone stringers Sample fluorescence, week yellow green; cut, clear; cut fluorescence, light yellow.	
2400	2490		Shale, Hard green, silty, dolomite; with interbedded siltstone, gray-hard green, very calcareous, spotty oil tar staining, sample fluorescence- no cut - very pale yellow, cut fluorescence- pale bluish white.	
2490	2555		Shale, Hard green, silty, dolomite. Tentative Sample Top - Coconino 2555'.	
2555	2595		Sandstone, VF-M, Quartz, rounded, compacted, - calcareous cemented, Friable Pyrite cubes & masses, white, well sorted, estimated fair pinpoint porosity (x.x). Spots of very low gravity oil - tar filling a few intertices sample fluorescencenone. Cut - none to hard brown, Cut fluorescence- pale yellow	
2595	2800		Sandstone, F-M, Quartz, rounded, compacted, friable, white, well sorted, has some porosity.	
2800	2950		Sandstone, white, F-M, Quartz, rounded compacted - slightly calcareous cemented, riable, ell sorted, some porosity.	
2950	2970		Sandstone, White, VF, Quartz, rounded, calcite cemented, well sorted, has some porosity (X).	
2970	3057		Siltstone, white, sandy, quartz, calcite cemented Tentative Sample Top - Cutler 3057'	

DITCH SAMPLES

Examined by Woodward 3110 to 3540
Bremer 3540 to 3790

Well Gruver's Mesa Unit #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/LAGGED Not
3057	3110		Sandstone, maroon - hard red brown, VF-F, shaly, feldspathic, calcareous maroon Siltstone partings.	
3110	3230		Siltstone, maroon to red brown with minor green, sandy, micaceous, dolomite.	
3230	3270		Siltstone, maroon to red brown with minor green, sandy micaceous, dolomite. pink limestone partings and interbedded limestone bed	
3270	3280		Dolomite, pink - red, III FB_1/ILA.	
3280	3290		Siltstone, Brown, sandy, plastic, very friable.	
3290	3310		Siltstone and Limestone, siltstone, purple, micaceous, dolomite, limestone white-gray, IVFA/ILA	
3310	3340		Limestone, white-gray, dolomite, IVFA, with interbedded purple - maroon, dolomite, siltstone	
3340	3360		Dolomite, gray, limy, IVFA/IMA, with minor chert fragments.	
3360	3450		Limestone, white-gray, dolomite, IVFA, with minor chert fragments.	
3450	3480		Limestone, Hard tan-gray, quartz grains, IVFA, chert, with interbedded hard gray brown - maroon, dolomite siltstone.	
3480	3500		Siltstone, Maroon - purple-gray, sandy, dolomite with interbedded light tan limestone.	
3500	3510		Dolomite, hard tan-gray, calcareous, IVFA, with interbedded red brown, silty sandstone (VF).	
3510	3520		Limestone, Hard tan-gray, IVFA, Chert	
3520	3530		Sandstone, white, very fine, quartz, silty, dolomite	
3530	3540		Limestone, light gray, IVFA, with interbedded white, silty sandstone (very fine).	
			EXAMINED BY BREMER AND OESTRICH - 3540 - 3790	
3540	3550		Siltstone, Tan, quartz, calcareous.	
3550	3560		Siltstone, Tan, quartz, calcareous, with limestone parting, gray, IVFA.	
3560	3570		Siltstone, light gray to tan, dolomite.	
3570	3580		Siltstone, dark gray, dolomite with limestone parting, tan, IVFA.	
3580	3590		Limestone, cream to tan, IVFA.	
3590	3600		Limestone, cream to tan, IVFA, silty - quartz.	

DITCH SAMPLES

Examined by Bremer 3600 to 3910
_____ to ____

Well Grover's Mesa Unit #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/LAGGED Not
3600	3635		Limestone, tan, IVFA with 20% chert fragments.	
3635	3650		Limestone, gray, IVFA, silty - quartz, pseudo-oolitic.	
3650	3660		Siltstone, light gray, calcareous, quartz.	
3660	3670		Limestone, tan, IVFA, sandy with 10% chert fragments.	
3670	3680		Limestone, tan, IVFA, with 30% chert fragments.	
3680	3690		Limestone, tan to brown, IVF-FA, sandy, with 20% chert fragments. (5% of sample with Dead Oil Residue - No Sample Fluorescence - Fair Milky Yellow Cut Fluorescence.)	
3690	3700		Limestone, white, IVFA, silty - quartz, with 10% chert fragments.	
3700	3710		Siltstone, light gray, calcareous, quartz.	
3710	3725		Sandstone, white very fine, calcareous, well sorted.	
3725	3730		Siltstone, brown carcareous.	
3730	3740		Siltstone, dark gray, calcareous.	
3740	3750		Limestone, tan, IVFA, silty quartz.	
3750	3770		Limestone, tan, IVFA, silty - quartz with siltstone parting, dark gray, quartz with trace chert. (1% of Limestone has Dead Oil residue - No Sample Fluorescence - Fair Milky Yellow Cut Fluorescence.	
3770	3780		Limestone, tan, IVFA, with 5% chert fragments.	
3780	3790		Limestone, tan, IVFA, with trace chert.	
3790	3805		Limestone, gray, IVF-FA, pseudo-oolitic.	
3805	3830		Sandstone, white to light gray, very fine, well sorted, dolomite.	
3830	3840		Sandstone, silty to very fine, light gray, calcareous, micaceous.	
3840	3850		Siltstone, dark gray, calcareous, micaceous.	
3850	3870		Limestone, light gray, IVFA, silty - quartz. (5% of sample with Dead Oil Residue, No Sample Fluorescence - faint Milky Cut Fluorescence.	
3870	3880		Limestone, tan, IVFA	
3880	3910		Sandstone, white to light gray, calcareous micaceous.	

DITCH SAMPLES

Examined by Bremer 3910 to 4230
_____ ____ to ____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

SAMPLES not LAGGED

FROM	TO	%	SHOWS UNDERLINED
3910	3960		Siltstone, gray, calcareous, micaceous, argillaceous.
3960	3980		Limestone, tan, IVFA/IIIXFA, silty - quartz, with trace chert.
3980	4000		Siltstone, dark gray, calcareous, micaceous, argillaceous with limestone parting, brown, IVFA, silty - quartz.
4000	4010		Sandstone, light gray, silt - very fine, calcareous, micaceous.
4010	4030		Sandstone, as above with siltstone partings, dark gray, calcareous, micaceous, argillaceous.
4030	4070		Limestone, tan, IVFA.
4070	4080		Limestone, as above with siltstone parting, as above.
4080	4090		Limestone, tan, IVFA, silty - quartz.
4090	4100		Limestone, tan, IVFA with trace chert.
4100	4115		Limestone, brown, I/IIIVFA, argillaceous.
4115	4130		Siltstone, light gray, calcareous, micaceous, quartz with shale partings, dark gray, micaceous, calcareous, silty.
4130	4150		Dolomite, tan, IIIVFA with siltstone partings, as above.
4150	4170		Siltstone, light gray, quartz, micaceous, calcareous.
4170	4180		Dolomite, as above with siltstone parting, as above.
4180	4190		Shale, gray calcareous, micaceous, silty
4190	4200		Siltstone, gray, micaceous, calcareous.
4200	4220		Limestone, tan to brown, IVFA with anhydrite inclusions.

DITCH SAMPLES

Examined by Bremer 4230 to 4560
_____ to _____

Well Grower's Mesa Unit #1
Field or Area Wildcat
Not

FROM	TO	%	SHOWS UNDERLINED	SAMPLES LAGGED
4230	4240	100%	Sandstone, silty-very fine, light gray calcareous with limestone parting, brown IVFA.	
4240	4260	100%	Limestone, brown, IVFA, argillaceous with anhydrite inclusions.	
4260	4270	100%	Limestone, gray, IVFA with trace chert and anhydrite inclusions.	
4270	4280	100%	Limestone, cream-tan, IVFA, argillaceous.	
4280	4290	100%	Limestone, tan-brown, I/III VFA, silty-quartz with black carbonaceous shale parting.	
4290	4300	100%	Limestone, cream, III XFA/IVFA, silty-quartz with shale parting, dark gray-black carbonaceous. 1% of sample had bright yellow sample fluorescence with pale milky yellow cut fluorescence-possible faint tan stain on 1% samples.	
4300	4315	100%	Limestone, cream III XFA/IVFA, silty-quartz with trace chert. 2% sample fluorescence-tan stain, fair milky yellow cut fluorescence.	
4315	4330	100%	Limestone, brown, IVFA, argillaceous with trace chert.	
4330	4350	100%	Shale, dark brown, calcareous.	
4350	4360	100%	Siltstone, dark brown, calcareous.	
4360	4380	100%	Siltstone, light gray, calcareous.	
4380	4390	100%	Sandstone, very fine-fine, light gray, calcareous.	
4390	4420	100%	Siltstone, light gray, calcareous.	
4420	4430	100%	Limestone, white IVFA, sandy.	
4430	4440	100%	Sandstone, silty-very fine, brown, argillaceous.	
4440	4450	100%	Siltstone, gray, argillaceous, calcareous.	
4450	4460	100%	Siltstone, tan, argillaceous, calcareous.	
4460	4480	100%	Siltstone, light gray, calcareous.	
4480	4490	100%	Sandstone, silty-very fine, light gray with chert fragments.	
4490	4520	100%	Limestone, brown, III VFA, very argillaceous (30-40%) with anhydrite inclusions and trace chert fragments.	
4520	4530	100%	Siltstone, gray, calcareous.	
4530	4550	100%	Sandstone, light gray, silty-very fine, calcareous, hard.	
4550	4560	100%	Sample Missing	

DITCH SAMPLES

Examined by Bremer 4560 to 4840
_____ to _____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

NOT

FROM	TO	%	SHOWS UNDERLINED SAMPLES LAGGED
4560	4570	100%	Siltstone, dark gray, calcareous, argillaceous.
4570	4580	100%	Siltstone, light gray, calcareous, micaceous.
4580	4590	100%	Siltstone, as above, with limestone parting, tan, IVFA.
4590	4600	100%	Limestone, tan, IVFA with sandstone parting, white, very fine-fine, micaceous, glauconite, non-calcareous.
4600	4620	100%	Limestone, tan, IVFA with trace chert and anhydrite inclusion.
4620	4635	100%	Limestone, brown, I/III VFA, argillaceous.
4635	4640	100%	Siltstone, light gray, calcareous, micaceous.
4640	4670	100%	Limestone, tan, IVf-MA, silty, with 10% chert fragments.
4670	4680	100%	Limestone, tan, I/III VFA, very silty, with 5% chert fragments, with dark gray shale parting, non-calcareous, hard.
4680	4690	100%	Siltstone, white-light gray, calcareous with limestone parting, chalky, III XFA, very soft.
4690	4700	100%	Limestone, white-light gray, III XFA, silty.
4700	4710	100%	Sandstone, white-light gray, very fine-fine, micaceous, glauconite, silty in part.
4710	4725	100%	Limestone, tan, IVFA, silty.
4725	4735	100%	Siltstone, light gray, calcareous.
4735	4740	100%	Shale, dark gray, calcareous, micaceous, silty.
4740	4750	100%	Siltstone, light gray, calcareous, micaceous, argillaceous.
4750	4770	100%	Limestone, tan-brown, IVFA, silty, with chert fragments.
4770	4790	100%	Limestone, tan, IVFA, with chert fragments.
4790	4800	100%	Limestone, brown, I/III VFA, silty, with chert fragments.
4800	4815	100%	Limestone, tan, IVF-MA, with chertified fossils.
4815	4825	100%	Limestone, tan, IVF-MA, with chertified fossils and shale parting, dark gray, calcareous, micaceous.
4825	4830	100%	Limestone, tan, IVFA, sandy.
4830	4835	100%	Limestone, tan-brown, IVFA with siltstone parting, dark gray, calcareous, argillaceous.
4835	4840	100%	Limestone, brown, IVFA with chert fragments.

DITCH SAMPLES

Examined by Bremer 4840 to 5085
_____ to _____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

Not SAMPLES/ LAGGED

FROM	TO	%	SHOWS UNDERLINED
4840	4855		Siltstone, light gray, calcareous, hard.
4855	4865		Limestone, cream, IVFA.
4865	4875		Limestone, brown, IVFA with trace chert.
4875	4885		Siltstone, light gray, calcareous, micaceous.
4885	4890		Sandstone, white, very fine, calcareous.
4890	4895		Limestone, tan, IVFA.
4895	4910		Shale, black, calcareous.
4910	4930		Limestone, tan, I/IIIVFA.
4930	4935		Limestone, light gray, IIIXFA with anhydrite inclusions.
4935	4940		Limestone, as above with shale parting, dark gray, silty.
4940	4945		Limestone, tan, IVFA.
4945	4960		Limestone, tan, IVF-MA.
4960	4975		Limestone, brown, IIIVFA, very argillaceous with chert fragments.
4975	4985		Limestone, tan, IVFA, very silty, with trace chert fragments.
4985	4990		Limestone, as above with anhydrite inclusions.
4990	4995		Limestone, tan, IVFA, very silty, with shale partings, dark gray, silty.
4995	5000		Limestone, as above with anhydrite inclusions.
5000	5040		Shale, dark gray, calcareous 40%, limestone texture, with siliceous streaks and with trace chert fragments, interbeds of limestone, tan, IVFA, silty.
5040	5045		Limestone, tan, IVFA, silty, with trace chert fragments.
5045	5065		Limestone, as above, with anhydrite inclusions.
5065	5075		Shale, dark gray, calcareous 40%, limestone texture, with siliceous streaks, with trace chert fragments, dark with anhydrite inclusions.
5075	5085		Shale, as above, with interbeds of limestone, tan, IVFA, silty.

DITCH SAMPLES

Examined by Woodward 5086 to 5210
_____ to _____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES NOT LAGGED
5081	5086		Circulated samples from drilling break.	
		75%	Dolomite, tan, III/IVFB$_{0-1}$) with replacement and pore filling	
		25%	Dolomite, tan, III/IVFB$_{1-2}$) anhydrite 10%, with trace chert fragments.	
			-	
5086	5090		Dolomite, as above.	
5090	5100		Limestone, hard tan I/III VFA, silty, with chert 10%, with anhydrite inclusions.	
5100	5120		Limestone, hard tan, I/III VFA, silty to siliceous, with replacement and pore filling anhydrite 10%.	
			-	
5115	5120		Circulated samples from drilling break.	
			Dolomite, hard tan, III/I VFA-XFA, chalky streaks, with chert fragments, with replacement and pore filling anhydrite.	
			-	
5120	5126		Dolomite, as above.	
5126	5135		Shale, dark brown, calcareous 40%, limestone texture, with siliceous streaks.	
5135	5160		Dolomite, tan IVFA, calcareous, silty, siliceous, with chert fragments with anhydrite inclusions.	
5160	5170		Dolomite, brown, IVFA, calcareous, argillaceous, with trace chert and with anhydrite inclusions.	
5170	5180		Chert, tan with limestone, tan IVFA, stringers.	
5180	5200		Limestone, tan, IVFA, dolomite, with interbedded chert 35%.	
5200	5210		Limestone, tan IVFA-MA, silty, with dark brown, calcareous shale partings, with chert fragments and with anhydrite inclusions.	
5210	5215		Shale, dark brown, calcareous 20%, limestone texture, with tan IVFA limestone stringers.	
5215	5220		Limestone, tan, IVFA, silty, with dark brown, calcareous, shale partings, with chert fragments.	
5220	5225		Limestone, as above with anhydrite inclusions.	

DITCH SAMPLES

Examined by Woodward 5255 to 5380
_____ to _____

Well Gruver's Mesa Unit #2
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES not LAGGED
5225	5245		Limestone, tan to brown, IVFA-MA, silty, with trace anhydrite.	
5245	5265		Limestone, tan to brown IVFA, silty, with gray-green, calcareous shale partings, with chert fragments and with trace anhydrite.	
5265	5285		Chert, tan, with tan IVFA limestone stringers.	
5285	5295		Limestone, tan, IVFA, with interbedded chert.	
5295	5305		Siltstone, tan to brown, calcareous, limestone texture, with interbedded chert.	
5305	5310		Siltstone, as above with tan, IVFA limestone stringers.	
5310	5315		Limestone, tan, IVFA, with interbedded chert.	
5315	5325		Limestone, tan IVFA-MA, with chert.	
5325	5330		Limestone, tan, IVFA, silty to sandy (very fine), with interbedded chert.	
5330	5340		Siltstone, dark brown, calcareous 20%, limestone texture, argillaceous.	
5340	5350		Shale, dark brown, calcareous 20%, silty.	
5350	5365		Siltstone, tan to dark brown, calcareous 20%, limestone texture, argillaceous.	
5365	5380		Sandstone, white, very fine, calcareous 10%, silty.	

DITCH SAMPLES

Examined by Woodward 5380 to 5790
_____ to ____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

SAMPLES not LAGGED

FROM	TO	%	SHOWS UNDERLINED
5380	5450		Salt
5450	5464		Limestone, brown, IVFA, silty, with interbedded anhydrite 40%
5464	5514		Cored 50', recovered 46'.
5514	5520		Shale, black, calcareous 10-15%.
5520	5545		Siltstone, tan to gray, calcareous 15 to 30%, with occasional anhydrite inclusions, and with tan IVFA limestone partings.
5545	5565		Siltstone, as above, with interbedded tan IVFA limestone
5565	5570		Limestone, tan, IVFA/IIIVFA with trace IIIVFB$_{0-1}$, dolomite, silty 35%, abundant mineral fluorescence, possible oil fluorescence, very pale yellow cut fluorescence, no cut.
5570	5580		Dolomite, tan, IVFA, silty 35%, trace yellow oil fluorescence, light bluish white cut fluorescence, no cut.
5580	5595		Siltstone, tan, dolomitic 15 to 25%, with anhydrite inclusions.
5595	5605		Siltstone, as above, with chalky anhydrite 20 to 25%.
5605	5620		Anhydrite, with salmon colored chert, poor samples.
5620	5630		Siltstone, brown, dolomite 15 to 25%, with occasional anhydrite inclusions.
5630	5645		Siltstone, gray brown, calcareous 15 to 25%, with occasional anhydrite inclusions.
5645	5660		Silstone, dark gray, dolomite 20 to 30%, with occasional anhydrite inclusions.
5660	5690		Siltstone, as above with black shale partings.
5690	5790		Salt

PD 4-B 8-50

SHELL OIL COMPANY

CORE RECORD

WEEK ENDING 10-26-58

CORE FROM 5464 TO 5510

CORES EXAMINED BY Woodward

AREA OR FIELD Emery County, Utah

COMPANY Shell Oil

LEASE AND WELL NO. Gruver's Mesa #1

NO.	FROM	TO	RECOVERED	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	OBSERVED DIP	CORE INDICATIONS OIL—GAS CORE OR DITCH
1	5464	5514	46'				
	5464	5466.5	2.5'	Siltstone, gray, massive, very hard, calcareous 15 to 25%, tight, occasional inclusions anhydrite, slight petroleum odor.		None	Faint Odor
	5466.5	5469	2.5'	Siltstone, as above, with very spotty surface oilstaining, few gas bubbles, spotty pale yellow fluorescence, trace cut fluorescence, no cut.			Faint Odor spotty pale yellow fluorescence, trace cut fluorescence. Faint odor.
	5469	5472	3'	Siltstone, gray, well bedded, very hard, calcareous 10 to 25%, tight, black shale partings, petroleum odor.			
	5472	5473	1'	Siltstone, as above, with very spotty surface oil staining, few gas bubbles, spotty pale yellow fluorescence, trace cut fluorescence, no cut.			Fair odor spotty pale yellow fluorescence. Trace cut fluorescence faint odor.
	5473	5474	1'	Shale, dark grey, firm, calcareous, 10 to 25%, carbonaceous material, slight petroleum odor.			
	5474	5476	2'	Siltstone, grey, massive, very hard, calcareous 15 to 25%, argillaceous, tight, slight petroleum odor.			
	5476	5477	1'	Shale, dark gray, firm, calcareous 10%.			Faint odor.
	5477	5480	3'	Siltstone, as above.			
	5480	5501	21'	Shale, black, firm calcareous 10 to 15%, with occasional calcite veinlets, fossiliferous.			
	5501	5503	2'	Limestone, dark gray, IVFA, massive, very hard, silty-to-argillaceous.			
	5503	5510	7'	Shale, as above, with silty streaks.			

1-CLAY OR SHALE WITH SAND STREAKS (SAND 5-25%). 2-CLAY OR SHALE AND SAND (SAND 25-60%). 3-SAND WITH SHALE STREAKS (SAND 60-90%). S-SAND (90-100%).

DITCH SAMPLES

Examined by Woodward 5790 to 6150
_____ to ____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/LAGGED not
5790	5800		Siltstone, brown, dolomite 15 to 25%, with chalky anhydrite 25%.	
5800	5810		Salt, with brown siltstone partings.	
5810	5820		Shale, black, dolomite 10%.	
5820	5840		Anhydrite, white massive, chalky, with thin interbeds of brown siltstone.	
5840	5870		Siltstone, brown, dolomite 15 to 25%, with chalky anhydrite stringers 25%.	
5870	5985		Salt	
5985	5995		Siltstone, brown, dolomite 15 to 25%, with occasional anhydrite inclusions.	
5995	6005		Silstone, white, quartz, dolomite 10%, friable.	
6005	6030		Anhydrite, white, well bedded, chalky, with thin interbeds of brown siltstone.	
6030	6070		Salt	
6070	6075		Anhydrite, white, massive, chalky, with brown siltstone partings.	
6075	6100		Siltstone, brown, dolomite 15 to 25%, with chalky anhydrite stringers 20% and with thin interbeds of black shale 5 to 10%.	
6100	6145		Siltstone, brown, dolomite 15 to 25%, with chalky anhydrite stringers 10%, with thin interbeds of black shale 5 to 10% with brown calcareous, dolomite stringers.	
6145	6150		Siltstone, as above with chalky anhydrite stringers 20%.	

DITCH SAMPLES

Examined by Woodward 6150 to 6395
_____ to _____

Well Gruver's Mesa Unit #1
Field or Area Wildcat
SAMPLES/ not LAGGED

FROM	TO	%	SHOWS UNDERLINED
6150	6165		Anhydrite, white, well-bedded, chalky with light gray siltstone interbeds.
6165	6220		Salt
6220	6245		Anhydrite, white, well bedded, chalky, with thin interbeds of brown siltstone.
6245	6285		Siltstone, brown, dolomite 15 to 25%, with anhydrite inclusions.
			Samples Badly Contaminated by Added Salt From 6285 - 6340 - Resulting Sample Descriptions are Questionable.
6285	6300		Siltstone, brown to gray, dolomite 10 to 15%, with anhydrite inclusions.
6300	6310		Anhydrite, white, massive, chalky.
6310	6340		Siltstone, brown to gray, dolomite 10 to 15%.
6340	6355		Salt, with thin interbeds of siltstone, white, quartz, well sorted, friable, fair porosity, spotty brown oil staining, trace oil fluorescence, pale yellow cut fluorescence, yellow residue fluorescence, no cut, few gas bubbles. (Less than 2% of sample.)
6355	6365		Siltstone, tan to gray, dolomite 10 to 15%, with anhydrite inclusions, trace oil staining, pale white cut fluorescence, bluish white residue fluorescence, no cut.
6365	6375		Siltstone, as above, with chalky anhydrite stringers 25%.
6375	6395		Anhydrite, white, well-bedded, chalky, with tan siltstone interbeds.

DITCH SAMPLES

Examined by Woodward 6395 to 6825
_____ to _____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

SAMPLES not /LAGGED

FROM	TO	%	SHOWS UNDERLINED
6395	6400		Anhydrite, white, well-bedded, chalky, with tan siltstone interbeds.
6400	6415		Siltstone, tan to brown, dolomitic 10-15%, with black shale partings and with chalky anhydrite interbeds 30-40%.
6415	6440		Siltstone, as above with chalky anhydrite stringers 10%.
6440	6455		Siltstone, light grey to brown, dolomitic 5 to 10%, quartz, friable, poorly sorted, with anhydrite blebs and interbeds 30 to 40%.
6455	6465		Salt
6465	6480		Siltstone, light grey to brown, dolomitic 5 to 10%, quartz, friable, poorly sorted, with chalky anhydrite stringers 20%.
6480	6505		Siltstone, tan to brown, dolomitic 10 to 15%, with black shale partings and with chalky anhydrite stringers.
6505	6635		Salt
6635	6658		Shale, black, no sample fluorescence, blue white cut fluorescence, bright yellow, white residue fluorescence, no cut, with interbedded chalky anhydrite 30 to 40%.
6658	6668		Salt
6668	6690		Shale, as above.
6690	6750		Salt
6750	6790		Anhydrite, white, bedded, chalky, with interbeds of shale, black, no sample fluorescence, blue white cut fluorescence, yellow white residue fluorescence, no cut, 20 to 30% of sample.
6790	6805		Salt
6805	6825		Anhydrite, as above.

DITCH SAMPLES

Examined by Woodward 6825 to 7125
_____ ____ to ____

Well Gruver's Mesa Unit #1
Field or Area Wildcat

FROM	TO	%	SHOWS UNDERLINED	SAMPLES / LAGGED Not
6825'	6835'		Anhydrite, white well bedded, chalky, with occasional black shale partings.	
6835'	6855'		Shale, black, no sample fluorescence, light blue green cut fluorescence, bright greenish white residue fluorescence, No Cut, with interbedded chalky anhydrite 35%.	
6855'	6860'		Anhydrite, white bedded, chalky with tan siltstone partings.	
6860'	6920'		Siltstone, tan, dolomite 5 to 10%, friable poorly sorted, with interbedded chalky anhydrite 30 to 40% and with black shale partings.	
6920'	7030'		Salt	
7030'	7045'		Anhydrite, white bedded, chalky, with interbedded black shale, green white cut fluorescence, bright green white residue fluorescence, no cut, 30%, dark with tan siltstone partings.	
7045'	7050'		Siltstone, tan dolomite 5 to 10%, friable, poorly sorted, with interbedded black shale and with interbedded chalky anhydrite.	
7050'	7075'		Salt	
7075'	7090'		Siltstone, brown, calcareous 20 to 30%, with interbedded black shale as above, 30 to 40% and with gray silty anhydrite stringers.	
7090'	7100'		Siltstone, brown to gray, calcareous 20 to 30%, pale blue white cut fluorescence, no cut, with black shale interbeds.	
7100'	7125'		Anhydrite, gray, bedded, silty, with interbedded brown silty limestone 30 to 40%.	

DITCH SAMPLES

Examined by Shepard 7125 to 7360
_____ to _____

Well Gruver's Mesa Unit 1
Field or Area Emery County, Utah

SAMPLES Not LAGGED

FROM	TO	%	SHOWS UNDERLINED
7125'	7130'		Limestone, brown, IVFA, anhydritic.
7130'	7135'		Siltstone, dark gray, with anhydritic inclusions.
7135'	7150'		Anhydrite, gray, soft, with siltstone and dolomite.
7150'	7155'		Siltstone, gray, with anhydrite and dolomite.
7155'	7175'		Anhydrite, white to gray, with 30% Dolomite, IVFA
7175'	7185'		Anhydrite, white, soft, with partings Limestone, IVFA.
7185'	7195'		Siltstone, dark gray, with partings Limestone, IVFA.
7195'	7215'		Siltstone and Anhydrite.
7215'	7220'		Shale, black.
7220'	7225'		Siltstone, brown.
7225'	7230'		Shale, black.
7230'	7235'		Dolomite, brown, IVFA, argillaceous.
7235'	7240'		Anhydrite.
7240'	7250'		Claystone, brown, plastic, calcareous.
7250'	7260'		Anhydrite, with Limestone partings.
7260'	7280'		Siltstone, brown, with Anhydrite inclusions.
7280'	7285'		Anhydrite, gray.
7285'	7300'		Claystone, brown, plastic, calcareous.
7300'	7305'		Anhydrite, gray, with partings of Dolomite, IVFA.
7305'	7315'		Anhydrite, light gray.
7315'	7335'		Siltstone, dark gray, Dolomite partings, IVFA.
7335'	7345'		Anhydrite, light gray.
7345'	7360'		Siltstone, dark gray, partings of Dolomite, IVFA.

DITCH SAMPLES

Examined by Shepard 7360 to7590
Bremer 7590 to7925

Well Gruver's Mesa Unit 1
Field or Area Emery County, Utah

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/LAGGED not
7360	7365		Limestone, light brown, IVFA, anhydrite inclusions.	
7365	7375		Claystone, light brown, soft, plastic.	
7375	7405		Limestone, light brown, IVFA.	
7405	7420		Siltstone, gray, anhydrite inclusions.	
7420	7460		Limestone, light brown, IVFA with streaks siltstone.	
7460	7470		Limestone, cream, IVFA.	
7470	7475		Claystone, maroon, plastic.	
7475	7485		Limestone, cream to brown, IVFA.	
7485	7590		Claystone, maroon and brown, plastic, calcareous.	
7590	7625		Limestone, tan, IVFA.	Poor Samples
7625	7640		Dolomite, tan, IVFA, with abundant chert.	
7640	7645		Limestone, tan, IVFA.	
7645	7700		Dolomite, tan, I-III VFA, with chert fragments.	
7700	7705		Limestone, white to gray, III XFA, soft.	
7705	7715		Limestone, as above with orange banding.	
7715	7765		Limestone, white, IIIXFA, soft with occasional orange banding.	
7765	7775		Dolomite, white I-IIIVFA.	
7775	7785		Dolomite, tan, I-III VFA.	
7785	7820		Dolomite, cream, I-III VFA, B_{tr}.	No staining, No SF,
7820	7835		Dolomite, white to pink, I-III VFA, B_{tr}.	No CF associated with
7835	7850		Dolomite, as above with chert fragments.	Porosity.
7850	7895		Dolomite, white, I-III VF-MA B_{tr_l}.	
7895	7910		Dolomite, white, I-III VF-MA B_l.	
7910	7925		Dolomite, white to tan, I-III VFA B_{tr} with abundant chert.	

DITCH SAMPLES

Examined by Bremer 7925 to 7975
Woodward 7975 to 8190

Well Gruver's Mesa Unit #1
Field or Area Emery County, Utah

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/ Not LAGGED
7925'	7930'		Dolomite, white to tan, I-IIIVFABI with abundant chert.	
7930'	7935'		Dolomite, white, I-IIIVFA B_{TR} with bedded chert parting (2').	
7935'	7950'		Dolomite, white to tan, I-IIIVFA B_{TR} with trace chert.	
7950'	7975'		Dolomite, white to tan, I-IIIVFA with 30 to 60% chert.	
7975'	7980'		Dolomite, white to tan IVFA B_{TR}.	
7980'	7990'		Dolomite, white to tan IVF-MA B_{TR} with trace chert.	
7990'	8000'		Dolomite, white, I-IIIvF-FA B_{TR}, with white chert 10 to 20%, with chalky dolomite streaks, IIVFA.	
8000'	8040'		Dolomite, white to light brown, as above.	
8040'	8065'		Dolomite, white to light brown, I-IIIVFA, with chalky dolomite streaks, IIVFA, and with white chert 10%.	
			Strapped Pipe Out at 8067', Pipe TD 8083' (+16')	
8083'	8090'		Skip	
8090'	8095'		Dolomite, white, III-IVF-MB_1 C_{TR}, silicified, with fractures and with chert.	
8095'	8100'		Dolomite, white to tan, I-IIIVF-M B_1 with chert.	
8100'	8115'		Dolomite, as above with B_{TR}.	
8115'	8140'		Dolomite, tan, IVFA B_{TR}.	
8140'	8150'		Dolomite, as above with chalky dolomite interbeds, IIVFA.	
8150'	8180'		Dolomite, white to tan I-IIIVF-F B_1 C_{TR-1} with chalky dolomite streaks, IIVFA.	
8180'	8190'		Dolomite, tan, IVFA B_{TR}, with chalky dolomite streaks, IIVFA.	

DITCH SAMPLES

Examined by Woodward 8190 to 8480
_____ ___ to ____

Well Gruver's Mesa Unit #1
Field or Area Emery County, Utah

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/ LAGGED not
8190'	8200'		Dolomite, white to tan, I-IIIVF-F B_2C_1 with chalky dolomite streaks.	
8200'	8215'		Dolomite, as above with B_1C_{TR-1}	
8215'	8225'		Dolomite, brown IVFA, with interbedded hard tan dolomite III-IVF-$FB_{1-2}C_{TR}$ 30-40%.	
8225'	8240'		Dolomite, dark brown, IVFA with interbedded hard tan dolomite III-IVF-FB_2C_{TR-1} 30-40%.	
8240'	8245'		Dolomite, as above with interbedded dolomite 10% dark brown.	
8245'	8265'		Dolomite, dark brown to brown, IVFA, silty.	
8265'	8305'		Chalk, white to hard gray green, IIVFA, with interbedded gray green to brown limestone, IVFA, dolomite slightly silty and argillaceous.	
8305'	8350'		Chalk, light gray, IIVFA with brown to gray brown limestone partings.	
8350'	8360'		Limestone, dark brown IVFA with interbedded hard gray chalk.	
8360'	8365'		Shale, light green, calcareous 30 to 40%.	
8365'	8380'		Chalk, light gray, IIVFA, with light green share partings.	
8380'	8390'		Chalk, as above with numerous maroon shale partings.	
8390'	8400'		Chalk, white, IIVFA, with hard green shale partings and hard gray to brown dolomite partings, IVFA.	
8400'	8420'		Dolomite, brown, IVFA with parting dolomite, IIIVFA, psuedo-oblitic.	
8420'	8430'		Dolomite, as above with white chalk interbeds, IIVFA, sandy.	
8430'	8442'		Dolomite, tan to lavender, IVFA, slightly sandy with rounded quartz grains.	
8442'	8480'		Sandstone, white, fine to medium quartz, fair sortings, rounded coarse grains - granules, tight, hard, no visible porosity, with occasional dolomite cementing.	

DITCH SAMPLES

Examined by Woodward 8480 to 8660
_____ ____ to ____

Well Gruver's Mesa Unit #1
Field or Area Emery County, Utah

FROM	TO	%	SHOWS UNDERLINED	SAMPLES/ Not LAGGED
8480'	8485'		Dolomite, brown, IVFA, with hard gray chalk partings.	
8485'	8510'		Dolomite, brown, IVFA	
8510'	8515'		Dolomite, as above, with parting fine to medium, white, quartz sandstone, dolomite cement.	
8515'	8535'		Dolomite, brown, IVFA, with scattered fine to coarse grounded quartz grains.	
8535'	8565'		Dolomite, brown, IVFA, with sandstone partings, white to lavender to to light green, fine to medium, quartz, with rounded coarse granule size grains, tight, dolomite cement 5-30%.	
8565'	8575'		Sandstone, white to light red, fine to medium, quartz with rounded medium to coarse grains, tight no visible porosity, hard.	
8575'	8580'		Dolomite, brown to light red, mottled, IVFA, silty 20-30%, with partings of VF-F light gray to maroon quartz sandstone.	
8580'	8585'		Dolomite, as above I-IIIVFA	
8585'	8590'		Dolomite, as above with partings hard gray chalk, IIVFA	
8590'	8595'		Dolomite, as above with interbedded sandy, gray green shale.	
8595'	8605'		Dolomite, brown, IIIVFA silty 20%, with gray chalk partings, IIVFA.	
8605'	8610'		Sandstone, white, fine to medium, quartz, rounded, tight, dolomite cement 5-30%.	
8610'	8625'		Dolomite, gray to tan, I-IIIVFA, with occasional sandstone partings.	
8625'	8630'		Dolomite, tan to gray, IVFA.	
8630'	8635'		Dolomite, tan to light red, IVFA.	
8635'	8650'		Dolomite, mottled gray to tan, I-IIIVFA, argillaceous.	
8650'	8655'		Sandstone, white, very fine to fine, quartz, rounded, tight, with trace of glauconitic dolomite cement 5-15%.	
8655'	8660'		Sandstone, as above, white to brown with glauconite.	

DITCH SAMPLES

Examined by Woodward 8660 to 8677
_____ ____ to ____

Well Gruver's Mesa Unit #1
Field or Area Emery County, Utah

FROM	TO	%	SHOWS UNDERLINED
			Tentative Sample Top Cambrian, 8660'
8660'	8670'		Dolomite, brown to gray, I-IIIVFA, silty 20-25%, glauconite.
8670'	8677'		Dolomite, as above, dark gray, argillaceous, with partings gray chalk, IIVFA.

TOTAL DEPTH 8677'

FD 4A PRINTED IN U. S. A.

SKELLY OIL COMPANY

Gruvers Mesa WELL NO. 2

DRILLING REPORT
FOR PERIOD ENDING 10-15-58

Wildcat (FIELD)

Emery (COUNTY)

Sec. 19 (SECTION OR LEASE)

T24S, R16E (TOWNSHIP OR RANGE)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
9-13 to 9-17	1084	2307	Drilled 1223'
9-18	2307	2490	Drilled 93'. Dst #1, 2302'-2400', ran Johnston Tester and set two BT 7-1/4" packers at 2296' and 2302'. Used two outside and one inside pressure recorders. 3/4" bottom and 1" top beans, perforations 2320'-2340', no water cushion. Initial shut-in 30 minutes, tool open 90 minutes, shut in 90 minutes, immediate fair blow, decreasing to faint in 20 minutes, faint blow for the balance of the test. Recovered 195' (1 bbl.) SIGOCM (1%), ISIBHP 810/30 minutes, FSIBHP 815/60 minutes, IFBHP/FFBHP 110/160, HP 1250.
			Drilled 90'
9-19 to 10-4	2490	4501	Drilled 2011'. Lost circulation while washing and reaming to bottom with bit #38 at 4501'. (25 bbls.+) Pulled up and mixed mud and lost circulation material and lost 275+ additional barrels of mud before regaining circulation.
10-5 to 10-15	4501	5331	Drilled 830'. Ran Schlumberger Induction-Electric Log from TD to surface casing shoe, Gamma Ray Neutron Log from TD to 2250', and Microlog from TD to surface casing shoe.
			Drilled 40'.
			Mud: Low pH sodium clay; average properties: wt. 9.2 to 10.3 lbs./gal., avg. 9.7 vis. 38 to 48 secs. avg. 44 W.L. 6 to 18 c.c., avg. 9 average daily treatment: 30 sacks gel 4 sacks Rayflow 8 sacks lignite 3 sacks CMC 200 lbs caustic

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET

DRILL PIPE SIZES

C. A. Woodward

FO 4A 2-50 PRINTED IN U. S. A.

SHELL OIL COMPANY

Gruvers Mesa #1
WELL NO.

Wildcat
(FIELD)

Emery
(COUNTY)

DRILLING REPORT
FOR PERIOD ENDING
10-19-58

Section 19
(SECTION OR LEASE)

T24S, R16E
(TOWNSHIP OR RANGING)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
10-16	5371'	5464'	Drilled 65', converted 800 barrels of low pH sodium clay mud to a saltwater mud by adding 800 sacks salt, 1050 pounds caustic, 73 sacks starch, 59 sacks salt water clay, 400 pounds Rayflo, and 350 pounds CMC. 9.6/75/45/4/32/11
10-17/18	5464	5506	Conditioned mud and hole for coring. Shut down 18 hours on engine repairs. Cored 42', Core #1, ran a 6-5/8" core barrel with 3-1/2" inter barrel and a Truco tri-dia 8-7/8" diamond bit.
10-19	5506	5575	Cored 8', Core #1 (5464'-5514'). Recovered 46' (5464'-5510') (Siltstone, calcareous, shale, thin limestone, no visible porosity, slight shows.) Reamed core hole and drilled 61'.
10-20 to 11-9	5575	7964	Drilled 2389'.
11-10	7964'	8030	Drilled 66'. Gradual loss of mud at 7990' (80 bbls.), added 5 sacks sawdust and stopped thieving.
11-11	8030	8067	Drilled 37'. Lost circulation while drilling (180 bbls.), pulled up and mixed mud and lost circulation material, and lost an additional 450+ bbls. of mud before regaining circulation. Strapped pipe out of the hole, pipe to 8083'.
11-12	8067	8067	DST #2, 7968'-8067', ran Halliburton tester and set two 7-3/4" expanding shoe packers at 7963' and 7968'. Used two outside and one inside Amerada pres. recorders, 5/8" bottom and 1" top bean, perforations 7969-7979' and 8046-8067', no water cushion. Tool open 3:57-5:27 PM (90 min.), shut in 5:27-6:57 PM (90 min.), immediate strong blow gradually decreasing (54 min.), dead remainder of test. Recovered 6900' (95.3 bbls.) salt water with H_2S odor, ISIBHP 3290/30 min., FSIBHP 3290/90 min., IFBHP/FFBHP 795/3290, HP 4550. Corrected TD of hole (+16') to 8083' from pipe strap of the 11th.

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
13-3/4"	0	589	10-3/4"	589'
9"	589	8083		

DRILL PIPE SIZES 4-1/2

Salt Water Mud Average Properties
11/44/6/2/32/11

Average Daily Treatment

Salt water clay	10 sx.
P 95 Clay	8 sx.
Salt	35 sx.
Caustic	100#
Preservative	100#
Starch	10 sx.

C. A. Woodward

PD 4A 2-50 PRINTED IN U. S. A.

SHELL OIL COMPANY

Gruver's Mesa
WELL NO. 1

DRILLING REPORT
FOR PERIOD ENDING 11-27-58

Wildcat (FIELD)
Emery (COUNTY)
Section 19 (SECTION OR LEASE)
T24S, R16E (TOWNSHIP OR RANGE)

DAY	DEPTHS FROM	DEPTHS TO	REMARKS
11-13 to 11-24	8083	8674	Drilled 591'
11-25	8674	8677	Drilled 3', at TD, 8677', ran Schlumberger Gamma Ray Neutron and Laterologs, hit bridge at 8651'. Logged from 8651' to 5100'. Ran S.S.C. continuous velocity survey (on Schlumberger line) from 8651' to shoe of surface casing. In preparation for abandonment, placed a 50 sack cement plug at 7950'+, a 25 sack cement plug at 5350'+, a 25 sack cement plug at 2324'-2438'+, and a 50 sack cement plug across shoe surface pipe (589'+). Located top of cement of last plug at 570'. Installed marker. Released rig 5 P.M. 11-27-58. Plugged and Abandoned 11-27-58.

Contractor: Great Western Drilling Company
Tool Pusher: Bob Andes
Drillers: Bob Hall
Bob Taylor
Jack Gwimm
Shell Tool Pusher: R. A. Standifer

CONDITION AT BEGINNING OF PERIOD

HOLE SIZE	HOLE FROM	HOLE TO	CASING SIZE	DEPTH SET
13-3/4"	0	589	10-3/4"	589'
9"	589	8677		

DRILL PIPE SIZES 4-1/2

Form 9-331a
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City Utah
Lease No. U-0 24152
Unit

N-H
12-31

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	X
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 3, 19 58

Gruvers Mesa

Well No. 1 is located 1980 ft. from {N/S} line and 2845 ft. from {E/W} line of sec. 19

SE NW 19 (¼ Sec. and Sec. No.) 24S (Twp.) 16E (Range) SLBM (Meridian)

Wildcat (Field) Emery (County or Subdivision) Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4774 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

11-12-58 DST #2 7960-8067. Initial shut in 30 minutes, open 90 minutes, immediate strong blow - dead in 52 minutes. Final shut in 90 minutes, recovered 6900', 95.3 bbl. salt water with H2S odor. I IP 3290, IFP 795, FFP 3290, FSIP 3290, RP 4558.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 Municipal Drive

Farmington, New Mexico

By Original signed by B. W. SHEPARD

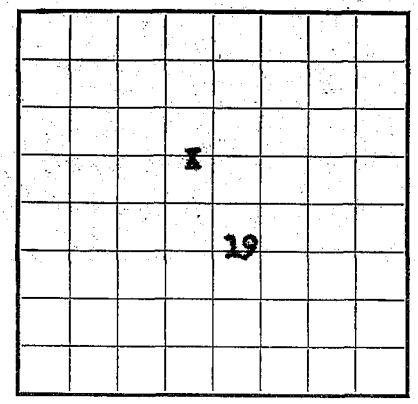
Title B. W. Shepard Exploitation Engineer

GPO 9 18 507

Form 9-330

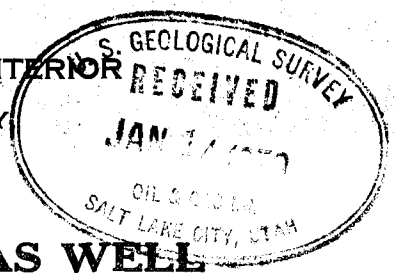
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Salt Lake City, Utah
SERIAL NUMBER U0 1152
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 705 West Municipal Drive, Farmington, N.M.
Lessor or Tract Wildcat-Gravers Mesa Field Wildcat State Utah
Well No. 1 Sec. 19 T. 24S R. 16E Meridian SLBM County San Juan
Location 1980 ft. {N./S.} of N Line and 2045 ft. {E./W.} of W Line of Sec. 19 Elevation 4774 KB
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Original signed by B. W. SHEPARD

Date January 8, 1959 Title Exploitation Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling September 9, 1958 Finished drilling November 25, 1958

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from ____ to ____ No. 4, from ____ to ____
No. 2, from ____ to ____ No. 5, from ____ to ____
No. 3, from ____ to ____ No. 6, from ____ to ____

IMPORTANT WATER SANDS

No. 1, from ____ to ____ No. 3, from ____ to ____
No. 2, from ____ to ____ No. 4, from ____ to ____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10-3/4"	40.5	8	-	-	Baker	-	-	-	Surface

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	589	370	Displacement	-	-

PLUGS AND ADAPTERS

Heaving plug—Material ____ Length ____ Depth set ____
Adapters—Material ____ Size ____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

FCD | MARK

TOOLS USED

Rotary tools were used from 0 feet to 8677 feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

Abandoned as a dry hole

November 27, 19 58

Put to producing ____, 19____

The production for the first 24 hours was ____ barrels of fluid of which ____% was oil; ____% emulsion; ____% water; and ____% sediment.

Gravity, °Bé. ____

If gas well, cu. ft. per 24 hours ____

Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

Great Western Drilling Co.

B. Hall, Driller

J. Gwinn, Driller

J. Taylor, Driller

____, Driller

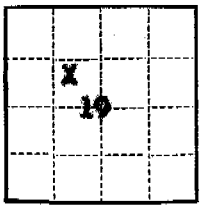
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1548	1925	377	Chinle
1925	2317	392	Moenkopi
2317	2552	235	Sinbad
2552	4712	2160	Coconino
4712	5376	664	Hermosa
5376	7513	2137	Paradox
7513	7570	57	Molas
7570	8263	693	Mississippian (Redwall)
8263	8397	134	Ouray
8397	-	-	Elbert

[OVER]

16—43094-4

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City, Utah
Lease No. U-014152
Unit —

M-K
3-10

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	X
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 3, 19 59

Gruvers Mesa
Well No. 1 is located 1980 ft. from {N} line and 2645 ft. from {E/W} line of sec. 19

SE NW 19 (¼ Sec. and Sec. No.) | 24 S (Twp.) | 16 E (Range) | S.L.B.M. (Meridian)

Wildcat (Field) | Emery (County or Subdivision) | Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4774 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Abandonment Work

1. With drill pipe hung at the following depths:
   - A. Plugged with 25 sacks cement 7680-7950
   - B. Plugged with 25 sacks cement 5280-5350
   - C. Plugged with 25 sacks cement 2328-2400
   - D. Plugged with 25 sacks cement 570 - 590

2. Placed 10 sacks cement plug at surface with marker and abandoned 11-27-59.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive

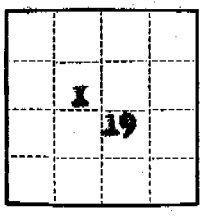
Farmington, New Mexico

Original signed by
By B. W. SHEPARD

B. W. Shepard
Title Exploitation Engineer

GPO 862040

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office Salt Lake City

Lease No. U 0 14152

Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form 4 2552
Ex 433

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
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NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

May 2, 1959

Gruvera Mesa
Well No. 1 is located 1980 ft. from {N/S} line and 2845 ft. from {E/W} line of sec. 19

SE NW 19 (¼ Sec. and Sec. No.) | 24S (Twp.) | 16E (Range) | SLBM (Meridian)

Wildcat (Field) | Emery (County or Subdivision) | Utah (State or Territory)

The elevation of the Kelly Bushing above sea level is 4774 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Abandonment Work

1. With open end drill pipe, plug as follows:
   a. 75 sacks at 6725'
   b. 25 sacks at 4250'
   c. 25 sacks at 2200'
   d. 60 sacks at 584'
2. Located top of plug at 554'.
3. Installed marker with a 10 sack cement cap, and abandoned 3-10-59.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Shell Oil Company

Address 705 West Municipal Drive

Farmington, New Mexico

By Original signed by B. W. SHEPARD

Title B. W. Shepard
Exploitation Engineer

GPO 862040